

Claims

1. An information presentation system comprising:

a storage unit operable to store one or more object
5 identifiers, each object identifier identifying an object
that has been used by a user;

a presentation-information generating unit operable to
generate presentation information based on the object
identifiers, and output the presentation information; and

10 a presenting unit that is provided in a portable device,
and is operable to acquire and present the presentation
information.

2. A management device comprising:

15 a storage unit operable to store one or more use object
identifiers, each use object identifier identifying an object
that has been used by a user;

a presentation-information generating unit operable to
generate presentation information based on the use object
20 identifiers; and

an outputting unit operable to output the presentation
information.

3. The management device of Claim 2, further comprising:

an object-information storage unit operable to store object information that is composed of i) a plurality of object identifiers for identifying a plurality of objects, and ii) pieces of attribute information each showing attributes of a corresponding one of the plurality of objects, in association, wherein

the presentation-information generating unit generates the presentation information based on i) pieces of attribute information that are associated with object identifiers identical to the use object identifiers, and ii) the use object identifiers.

4. The management device of Claim 3, wherein the presentation-information generating unit i) extracts pieces of attribute information that correspond to the use object identifiers, from the object information, and ii) generates in advance library information that includes the extracted pieces of attribute information in association with the use object identifiers.

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5. The management device of Claim 3, further comprising: a receiving unit operable to receive a transmission request of the presentation information, from a portable terminal device, wherein

the outputting unit outputs the presentation information to the portable terminal device.

6. The management device of Claim 2, further comprising:

5 an acquiring unit operable to acquire pieces of attribute information each showing attributes of a corresponding one of the objects identified by the use object identifiers; and
 a library-information generating unit operable to generate library information that includes the acquired
10 pieces of attribute information and the use object identifiers, in association.

7. The management device of Claim 6, wherein

 the acquiring unit acquires, from another device in which
15 i) a plurality of object identifiers for identifying a plurality of objects are associated with ii) pieces of attribute information each showing attributes of a corresponding one of the plurality of objects, the pieces of attribute information that are associated with object
20 identifiers identical to the use object identifiers.

8. The management device of Claim 6, further comprising
 a receiving unit operable to receive a transmission request of the presentation information, from a portable

terminal device, wherein

the outputting unit outputs the presentation information to the portable terminal device.

5 9. The management device of Claim 6, being a portable terminal device, wherein

the outputting unit includes a presenting subunit operable to present the presentation information to the user.

10 10. The management device of Claim 2, wherein each of the objects is a content,

the management device further comprises a playback unit operable to play back each content,

the acquiring unit, when the playback unit plays back
15 the content, reads a use content identifier assigned to the content from a recording medium recording therein the content, and

the storage unit stores read content identifiers as the use object identifiers.

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11. The management device of Claim 10, wherein

the acquiring unit acquires, from the recording medium, a piece of attribute information showing attributes of the content when the playback unit plays back the content, and

the storage unit stores the acquired piece of attribute information in association with the content identifier.

12. The management device of Claim 2, further comprising:

5 an acquiring unit operable to receive input of the use object identifiers and acquire, from another device in which
i) a plurality of object identifiers for identifying a plurality of objects are associated with ii) pieces of attribute information each showing attributes of a
10 corresponding one of the plurality of objects, pieces of attribute information that are associated with object identifiers identical to the use object identifiers.

13. The management device of Claim 2, further comprising

15 a reading unit operable to read each of the use object identifiers which identifies an object used by the user, from a medium that is on the object.

14. The management device of Claim 13, wherein

20 the medium is an RFID tag.

15. The management device of Claim 13, wherein

the medium is a two-dimensional code.

16. The management device of Claim 13, further comprising
an acquiring unit operable to acquire, from another
device in which i) a plurality of object identifiers for
identifying a plurality of objects are associated with ii)
5 pieces of attribute information each showing attributes of
a corresponding one of the plurality of objects, pieces of
attribute information that are associated with object
identifiers identical to the read use object identifiers,
wherein

10 the storage unit stores the acquired pieces of attribute
information in association with the use object identifiers.

17. The management device of Claim 2, further comprising
a receiving unit operable to receive an acquisition
15 request of the presentation information, the acquisition
request including an object identifier identifying an object,
wherein

the presentation-information generating unit judges
whether the use object identifiers include the received object
20 identifier, and

the outputting unit outputs, as the presentation
information, a judgment result of the
presentation-information generating unit.

18. The management device of Claim 17, wherein

the receiving unit receives the acquisition request that includes a plurality of object identifiers,

the presentation-information generating unit judges,
5 for each object identifier, whether the object identifier is included in the use object identifiers, and

the outputting unit outputs, as the presentation information, the judgment result of the plurality of object identifiers.

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19. The management device of Claim 2, wherein

the storage unit further stores pieces of attribute information in association with the use object identifiers, the pieces of attribute information being grouped under a
15 plurality of categories,

the management device further comprises a receiving unit operable to receive an acquisition request of the presentation information, the acquisition request including input directed to one of the categories, and

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the presentation-information generating unit generates the presentation information based on attribute information that includes the input included in the acquisition request and corresponding use object identifier.

20. The management device of Claim 2, further comprising
a receiving unit operable to receive an input of a first
password, wherein

the storage unit stores a second password, and

5 the presentation-information generating unit judges
whether the first password matches the second password, and
when judging affirmatively, generates the presentation
information.

10 21. The management device of Claim 2, wherein

the storage unit stores position information and items
of advertisement information,

the acquiring unit further acquires position
information that indicates a current position of a presenting
15 unit, the presenting unit being for presenting the
presentation information to the user, and

the presentation-information generating unit extracts
at least one of the items of advertisement information based
on the acquired position information and attributes of the
20 objects having been used by the user, and sets the extracted
items of advertisement information as the presentation
information.

22. A portable terminal device comprising:

a receiving unit operable to receive input from an external source;

an acquiring unit operable to acquire, in accordance with the received input, presentation information from a management device storing use object identifiers identifying one or more objects having been used by a user, the presentation information being generated based on the use object identifiers; and

a presenting unit operable to present the acquired presentation information.

23. The terminal device of Claim 22, wherein

the receiving unit receives input of at least one object identifier identifying an object, and

the presentation information shows whether the use object identifiers include the received object identifier.

24. The terminal device of Claim 23, wherein

the receiving unit receives input of a plurality of object identifiers,

the presentation information shows, for each object identifier, whether the object identifier is included in the use object identifiers, and

the presenting unit presents i) one part of the object

identifiers that is included in the use object identifiers, and ii) the other part of the object identifiers that is not included in the use object identifiers, separately from each other.

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25. The terminal device of Claim 23, further comprising:

a reading unit operable to read the object identifier from an RFID tag, wherein

the presentation information shows whether the use
10 object identifiers include the object identifier read by the reading unit.

26. The terminal device of Claim 25, wherein

the reading unit reads a plurality of object identifiers,
15 the presentation information shows, for each object identifier, whether the object identifier is included in the use object identifiers, and

the presenting unit presents i) one part of the object identifiers that is included in the use object identifiers ,
20 and ii) the other part of the object identifiers that is not included in the use object identifiers, separately from each other.

27. The terminal device of Claim 23, further comprising

a reading unit operable to read the object identifier from a two-dimensional code, wherein

the presentation information shows whether the use object identifiers include the object identifier read by the
5 reading unit.

28. The terminal device of Claim 23, wherein

the receiving unit receives input directed to one of categories under which pieces of attribute information of
10 the objects are grouped, and

the presentation information is generated based on
i) attribute information including the received input and
ii) corresponding use object identifier, where the attribute
information is extracted from among the pieces of attribute
15 information.

29. A method used by a management device that stores therein one or more use object identifiers, each use object identifier identifying an object that has been used by a user, the method
20 comprising:

a presentation-information generating step of generating presentation information based on the use object identifiers; and

an outputting step of outputting the presentation

information.

30. A program used by a management device that stores therein one or more use object identifiers, each use object identifier identifying an object that has been used by a user, the program comprising:

a presentation-information generating step of generating presentation information based on the use object identifiers; and

10 an outputting step of outputting the presentation information.

31. A computer-readable recording medium recording therein a program that a management device uses, the management device storing therein one or more use object identifiers, each use object identifier identifying an object that has been used by a user, the program comprising:

a presentation-information generating step of generating presentation information based on the use object identifiers; and

20 an outputting step of outputting the presentation information.